

Mississippi Upland Soil Data Base. Table 1. Site description and location

BC Baptist Cemetary, Hardwood and grass
GC Goodwin Creek, Mississippi native hardwood
NF Nelson Farm, Mississippi cultivated basin
CV Coffeerville, Pine Forest

BCPR1 Baptist Cemetary Profile at Ridgetop no 1. From Hiway 29, take Good Hope road south to its end, turn right; In 1/2 mile go Left at Citgo gas station. Cemetary is 1/2 mile down road on right site. It is divided into 2 sections; Samples taken in second section on top of right getween outside edge of old iron fence (NW side) near a cypress tree. Samples taken 11-13-97 with modified shelby Art's Machine Shop AMS tube by J. Gaudinski and G. Buell. Grass and oak and Cedar trees form shaded lawn of Cemetary. Graves here data 1856 to about 1900AD. Local slope 0-3%; loess hills of Peoria loess. J. Gaudinski and G. Buell with JHarden nearby

BCPR3 Baptist Cemetary Profile at Ridgetop no 3. see BCPR1 for location. Uneroded Grenada soil. Located between the iron fence of very old gravesite and cypress tree of the Methodist! Cemetary within Goodwin Creek watershed. Samples taken 11-14-97 while raining with modified shelby (AMS) tube. Grass and oak and cypress trees form shaded lawn of Cemetary. Graves here data 1856 to about 1900AD. Local slope 0-3%; loess hills of Peoria loess J. Gaudinski and G. Buell with JHarden nearby

CVPR1 Coffeerville Profile on Ridgetop no. 1; uneroded Grenada? soil USFS experimental watershed near Coffeerville, Miss.; Located at ridge, south of weir ; Samples taken 11-16-97 with modified shelby AMS core Pine forest at least 80 years old; site had been farmed before that.

GCPR1 Goodwin Creek Profile at Ridgetop no 1; slightly eroded Grenada soil in hardwood forest.; located in wsh 10 of Goodwin Creek, to south and uphill about 30m of GCPU sites. Samples taken 11-15-97 with adapted shelby AMS core; sampled by JHarden, G. Buell, J. Gaudinski, S. Trumbore

NFPR2 Nelson Farm Profile at Ridgetop no 2; located near road at top of watershed 2 Samples collected 11-11-97; 5% slope ; soybean; sampled by JHarden, G. Buell, J. Gaudinski, S. Trumbore

GCPU1 Goodwin Creek Profile Upper slope no. 1 ;slightly to moderately eroded Grenada soil; located in subwatershed of watershed 10 of Goodwin Creek described and sampled 12-4-96 with shelby tube to 40 cm depth by JHarden mature oak woodland; loess hills of Peoria loess; 10% slope uphill from GCPL . Sampled by JHarden with THuntington nearby

GCPU2 Goodwin Creek Profile Upper slope no. 2 ;slightly to moderately eroded Grenada soil; located in subwatershed of watershed 10 of Goodwin Creek described

and sampled 12-4-96 with shelby tube by Jharden; mature oak woodland; loess hills of Peoria loess;10% slope uphill from GCPL

GCPU3 Goodwin Creek Profile Upper slope no. 1 ;slightly eroded Grenada soil; located in subwatershed of watershed 10 of Goodwin Creekdescribed and sampled 12-4-96 with shelby tube to 40 cm depths; mature oak woodland; loess hills of Peoria loess;10% slope uphill from GCPL; Sampled by JHarden

GCPU5 Goodwin Creek Profile Upper slope no. 5 ;slightly eroded Grenada soil; located in subwatershed of watershed 10 of Goodwin Creekdescribed and sampled from pit face 11-15-97 for bulk density and moisture to a depth of 60 cm using Bulk Density core (whomper) and Hrings and from 60 to 100 cm using modified shelby AMS core. Litter samples collected by excavating rectangle to base of soil horizon.mature oak woodland; loess hills of Peoria loess;10% slope uphill from GCPLG.Sampled by Buell, J.Harden, J.Gaudinski, S.Trumbore

GCPL1. Goodwin Creek Profile Lower slope no. 1; slightly eroded Grenada soil;located in subwatershed of watershed 10 in Goodwin Creek; USDA NSLdescribed and sampled by JHarden on 12-4-96 with shelby tube to 40 cm and then cut into horizons in lab mature oak forest of loess hills in Peoria Loess

GCPL2. Goodwin Creek Profile Lower slope no. 2; uneroded Grenada soil; located in subwatershed of watershed 10 in Goodwin Creek; USDA NSLdescribed and sampled 3-8-97 with shelby tube within 1-2 m of GCPL1 by JHarden and THuntingtonmature oak forest on Peoria Loess; local slope 0-3% at base of 500m? slope of 10%; site grades into subtle alluvial terrace est. 400m downslope and east of GCPU profilesquite wet; too wet at depth to sample below 50 cm

GCPL3. Goodwin Creek Profile Lower slope no. 2; uneroded Grenada soil;located in subwatershed of watershed 10 in Goodwin Creek; USDA NSLdescribed and sampled 3-8-97 with shelby tube within 1-2 m of GCPL 1;2 by J.Harden and ;L.Keith mature oak forest on Peoria Loess; local slope 0-3% at base of 500m? slope of 10%; site grades into subtle alluvial terraccest. 400m downslope and east of GCPU profiles

GCPL5 . Goodwin Creek Profile Lower slope no. 5; uneroded Grenada soil;located in subwatershed of watershed 10 in Goodwin Creek; USDA NSLdescribed and sampled from pit face 11-15-97 for bulk density and moisture to a depth of 60 cm using Bulk Density core (whomper) and Hrings and from 60 to 100 cm using modified shelby AMS core. Litter samples collected by excavating rectangle to base of soil horizon.mature oak woodland; loess hills of Peoria loess;10% slope uphill from GCPLG.Sampled by Buell, J.Harden, J.Gaudinski, S.Trumbore

GCPV1. Goodwin Creek Valley located downstream from GCPL valley "bottom" only 3 m wide just above the confluence with another small drainagesampled for bulk analysis to see if C is older or more abundant in depositional foci.

NFPU1. Nelson Farm Profile Upper slope no. 1 located midway up watershed 2 of NF on west side of filled gully; moderately eroded Grenada soil; described 12-3-96 and sampled 12-3-96 with shelly tube and for incubation 12-5-96 at 4pm bare; slightly weedy soybean field; loess hills in Peoria loess; slope 8% JHarden and THuntington

NFPU3. Nelson Farm Profile Upper slope no.3 sampled in triplicate from holes 1;2;3; moderately eroded Grenada soil; located midway up watershed 2 of NF on west side of filled gully; 100m upslope from NFPL sites Hole 1 very wet at depth; most downslope; hole 2 very wet at 40-60cm; hole 3 driest described and sampled 3/6/97 am by JHarden and LKeith with shelly tube; water saturates hole on excavation bare ground soy field; with some grasses 8-10% slope with E/NE aspect

NFPU5. Nelson Farm Profile Upper slope 5 sampled in triplicate from pit face with Bulk Density core (whomper) and H-ring for field moisture and bulk density only. located in same area as NFPU1-4 collected 11/11/97 by G.Buell, J.Gaudinski, J.Harden

NFPL1. Nelson Farm Profile on Lower slope; located in watershed 2 just west of filled gully described and sampled 12-2-96 with shelly tube to 40 cm depth bare; slightly weedy soy field in Peoria Loess material; 1-3% slope; east aspect

NPPL3. Nelson Farm Profile on Lower slope; located in watershed 2 just west of filled gully described and sampled 3/6/97 with shelly tube to 60 cm and with open corer to 100cm bare; slightly weedy soy field in Peoria Loess material; 1-3% slope; east aspect JHarden and THuntington

NFPL6. Nelson Farm Profile on Lower slope; located in watershed 2 near NFPL1-3; described and sampled 11-12-97 from pit face with Hring and Bulk Density core (whomper) for density and moisture only. GBuell, J Gaudinski, JHarden

NFPV1. Nelson Farm Valley downslope of weir of watershed 2 on USDA NSL plots described and sampled with shelly tube to 100 cm wooded (hardwood, shrubs) braided depositional lobes with gully incision. JHarden and THuntington

NFPV3. Nelson Farm Valley at confluence of USDA plots with homestead fields. Go downstream along stream below watershed 2 to railroad; sampled about 40m up from railroad wooded (hardwood, shrubs) braided depositional lobes with gully incision NFNF2.

Nelson Farm Plot Fallow; old fallow plot of Romkins in watershed 3; 5 to 10 yrs as fallow plot as of 1996

NFNF2. Nelson Farm New Fallow 2 in fifth erosion plot to north from edge; maintained as no-till soybean NFNF was to be used as a new fallow site but was

changed to used as erosion plot for som fractionation samples;Sampled in triplicate for C,bulk dens. and moisture using shelby core 3-5% slope, NE aspect; at top of watershed 3; currently dead soy with grass,weeds; described and sampled 3/6/97 by JHarden